

Notice of Allowability

Application No.

09/920,787

Examiner

VAN H. NGUYEN

Applicant(s)

SUTHERLAND, JAMES BRYCE

Art Unit

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's amendments and supporting arguments filed 1/14/05.
2. ☒ The allowed claim(s) is/are 12-22, 31-32, and 41-42 (now renumbered as 1-15).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☒ Other the drawings are acceptable.


SUPERVISORY PATENT EXAMINER
BIOLOGY CENTER

Examiner's Amendment

I. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

II. Authorization for this examiner's amendment was given in a telephone interview with Mr. Edward J. Grundler (Reg. No. 47, 615) on 01 September 2005.

III. **The application has been amended as follows:**

In the claims:

A. **Claims 1-11, 23-30, 33-40, and 43-45 have been cancelled.**

B. **All previous copies of claims 12, 31, and 41 have been replaced with the following clean copy of claims 12, 31, and 41 as amended by the Examiner's amendment:**

Claim 12. A computer-implemented method for integrating entity bean object changes occurring to an entity bean object in a container with a persistence manager, the container being capable of issuing notifications of events relating to entity bean objects contained therein, the method comprising steps of:

Art Unit: 2194

receiving, at a notification receiver, from the container a notification of an event relating to an entity bean object in the container;

setting up, by a second object storage system, a copy of the entity bean object in the persistence manager in response to the notification;

determining, by the second object storage system, object changes made to the entity bean object in the container using the representation in the persistence manager;

integrating, by the second object storage system, the determined entity bean object changes with the copy in the persistence manager;

wherein the persistence manager connector integrates the determined object changes into the second object storage system; and

maintaining, by a consistency maintaining unit, consistency between the copy of the entity bean object in the persistence manager and the entity bean object in the container.

Claim 31. In a computer system, an object change integration system for integrating entity bean object changes occurring to an entity bean object in a container with a persistence manager, the object change integration system comprising:

a notification receiver for receiving from the container a notification of an event relating to an entity bean object in the container;

a representation setter for instructing a second object storage system to set up a copy of the entity bean object in the persistence manager in response to the notification;

Art Unit: 2194

a change determination unit for instructing the second object storage system to determine object changes made to the entity bean object in the container using the representation in the persistence manager;

an object change integrator for instructing the second object storage system to integrate the determined entity bean changes with the copy in the persistence manager;

wherein the persistence manager connector integrates the determined object changes into the second object storage system; and

a consistency maintaining unit for maintaining consistency between the copy of the entity bean object in the persistence manager and the entity bean object in the container.

Claim 41. A persistence manager connector in a computer system for integrating entity bean object changes occurring to an entity bean object in a container with a persistence manager, the persistence manager comprising:

a notification receiver for receiving from the container a notification of an event relating to an entity bean object in the container;

a representation setting instructor for instructing a second object storage system to set up a copy of the entity bean object in the persistence manager in response to the notification;

a change determination instructor for instructing the second object storage system to determine object changes made to the entity bean object in the container using the representation in the persistence manager;

an integration instructor for instructing the second object storage system to integrate the determined entity bean changes with the copy in the persistence manager;

Art Unit: 2194

wherein the persistence manager connector integrates the determined object chances into the second object storage system; and

a consistency maintaining unit for maintaining consistency between the copy of the entity bean object in the persistence manager and the entity bean object in the container.

IV. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM - 6:00PM. The examiner can also be reached on alternative Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Any response to this action should be mailed to:

Commissioner for patents

P O Box 1450

Alexandria, VA 22313-1450

VHN


MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100